



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## In re Application of:

Frank L. Hall

**Serial No.:** 10/791,190

Filed: March 2, 2004

For: APPARATUS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA

USE OF A LASER (as amended)

Confirmation No.: 1971

Examiner: S. Heinrich

**Group Art Unit: 1725** 

Attorney Docket No.: 2269-4718.3US

(00-0316.03/US)

NOTICE OF EXPRESS MAILIN
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## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08A be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2). The listed documents were cited by the Office in co-pending application Serial No. 11/489,288, filed on July 13, 2006, and directed to a related invention.

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S.	Patent Documents

U.S. Patent No.	<b>Publication Date</b>	<u>Patentee</u>
US - 5,815,232	09/1988	Miyazaki et al.

## Foreign Patent Documents

Document No.	<u>Publication Date</u>	<u>Patentee</u>
JP 63070525A	04/1992	Mitsubishi Deenki KK

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application and therefore no additional fee is required.

Respectfully submitted,

James R. Duzan

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Date: February 22, 2007

JRD/sfc:lmh

Enclosures: Form PTO/SB/08A

Cited Non-U.S. Patent Document

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Approved for use through 10/31/2006. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/791,190			
		Filing Date	March 2, 2004			
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				Group Art Unit	1725	
	(use as many she	eets as n	ecessary)	Examiner Name	S. Heinrich	
Sheet	1	of	1	Attorney Docket Number	2269-4718 3115 (00-0316 03/15)	

U.S. PATENT DOCUMENTS						
Examiner Cite		Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	
Initials *	No. <sup>1</sup>	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		Passages or Relevant Figures Appear	
		US-5,815,232	09/1988	Miyazaki et al.		
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	FOREIGN PATENT DOCUMENTS					
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Examiner Signature	Date Considered	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.